

0590
0905

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/819,946

DATE: 10/11/2001

TIME: 10:36:28

Input Set : A:\LEX-0157-USA SEQLIST.txt

Output Set: N:\CRF3\10112001\I819946.raw

ENTERED

4 <110> APPLICANT: Walke, D. Wade
5 Scoville, John
6 Donoho, Gregory
7 Turner, C. Alexander Jr.
8 Friedrich, Glenn
9 Abuin, Alejandro
10 Zambrowicz, Brian
11 Sands, Arthur T.
13 <120> TITLE OF INVENTION: Novel Human 7TM Proteins and Polynucleotides Encoding the
Same
16 <130> FILE REFERENCE: LEX-0157-USA
C--> 18 <140> CURRENT APPLICATION NUMBER: US/09/819,946
C--> 18 <141> CURRENT FILING DATE: 2001-08-27
18 <150> PRIOR APPLICATION NUMBER: US 60/192,978
19 <151> PRIOR FILING DATE: 2000-03-28
21 <160> NUMBER OF SEQ ID NOS: 9
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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26 <211> LENGTH: 2526
27 <212> TYPE: DNA
28 <213> ORGANISM: homo sapiens
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57 ccctgtgggg ctgggacctt cctcaacaag agtgacctct acagatgccca gccttgtggg 1620
58 aaagaagagt gggcacctga ggggaagccag acctgcttcc cgcgcactgt ggtgtttttg 1680
59 gctttgcgtg agcacacctc ttgggtgctg ctggcagcta acacgctgct gctgctgctg 1740
60 ctgcttggga ctgctggcct gtttgcttg cacctagaca cccctgtggg gaggtcagca 1800
61 gggggccgcc tgtgctttct tatgctgggc tccctggcag caggtagtgg cagcctctat 1860
62 ggcttctttg gggaaacccac aaggcctgcg tgcctgtac gccaggccct ctttgccctt 1920
63 ggtttcacca tcttcctgtc ctgcctgaca gttcgtcat tccaactaat catcatcttc 1980
64 aagttttcca ccaaggtacc tacattctac cagcctggg tccaaaacca cgggtgctggc 2040
65 ctgtttgtga tgatcagctc agcggccag ctgcttatct gtctaacttg gctggtggtg 2100
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67 acagagacca actccctggg cttcatactg gccttctct acaatggcct cctctccatc 2220
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69 tgygtcacct tcagcctgct cttcaacttc gtgtcctgga tcgccttctt caccacggcc 2340
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71 agcagcggtc tcggtgggta tttctgcct aagtgtacg tgatcctctg ccgccagac 2460
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75 <210> SEQ ID NO: 2

76 <211> LENGTH: 841

77 <212> TYPE: PRT

78 <213> ORGANISM: homo sapiens

80 <400> SEQUENCE: 2

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82 1 5 10 15
83 Cys Cys Trp Ala Phe Ala Cys His Ser Thr Glu Ser Ser Pro Asp Phe
84 20 25 30
85 Thr Leu Pro Gly Asp Tyr Leu Leu Ala Gly Leu Phe Pro Leu His Ser
86 35 40 45
87 Gly Cys Leu Gln Val Arg His Arg Pro Glu Val Thr Leu Cys Asp Arg
88 50 55 60
89 Ser Cys Ser Phe Asn Glu His Gly Tyr His Leu Phe Gln Ala Met Arg
90 65 70 75 80
91 Leu Gly Val Glu Glu Ile Asn Asn Ser Thr Ala Leu Leu Pro Asn Ile
92 85 90 95
93 Thr Leu Gly Tyr Gln Leu Tyr Asp Val Cys Ser Asp Ser Ala Asn Val
94 100 105 110
95 Tyr Ala Thr Leu Arg Val Leu Ser Leu Pro Gly Gln His His Ile Glu
96 115 120 125
97 Leu Gln Gly Asp Leu Leu His Tyr Ser Pro Thr Val Leu Ala Val Ile
98 130 135 140
99 Gly Pro Asp Ser Thr Asn Arg Ala Ala Thr Thr Ala Ala Leu Leu Ser
100 145 150 155 160
101 Pro Phe Leu Val Pro Met Ile Ser Tyr Ala Ala Ser Ser Glu Thr Leu
102 165 170 175
103 Ser Val Lys Arg Gln Tyr Pro Ser Phe Leu Arg Thr Ile Pro Asn Asp
104 180 185 190
105 Lys Tyr Gln Val Glu Thr Met Val Leu Leu Leu Gln Lys Phe Gly Trp
106 195 200 205
107 Thr Trp Ile Ser Leu Val Gly Ser Ser Asp Asp Tyr Gly Gln Leu Gly

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108	210	215	220
109	Val Gln Ala Leu Glu Asn Gln Ala Thr Gly Gln Gly Ile Cys Ile Ala		
110	225	230	235
111	Phe Lys Asp Ile Met Pro Phe Ser Ala Gln Val Gly Asp Glu Arg Met		
112		245	250
113	Gln Cys Leu Met Arg His Leu Ala Gln Ala Gly Ala Thr Val Val Val		
114		260	265
115	Val Phe Ser Ser Arg Gln Leu Ala Arg Val Phe Phe Glu Ser Val Val		
116		275	280
117	Leu Thr Asn Leu Thr Gly Lys Val Trp Val Ala Ser Glu Ala Trp Ala		
118		290	295
119	Leu Ser Arg His Ile Thr Gly Val Pro Gly Ile Gln Arg Ile Gly Met		
120	305	310	315
121	Val Leu Gly Val Ala Ile Gln Lys Arg Ala Val Pro Gly Leu Lys Ala		
122		325	330
123	Phe Glu Glu Ala Tyr Ala Arg Ala Asp Lys Glu Ala Pro Arg Pro Cys		
124		340	345
125	His Lys Gly Ser Trp Cys Ser Ser Asn Gln Leu Cys Arg Glu Cys Gln		
126		355	360
127	Ala Phe Met Ala His Thr Met Pro Lys Leu Lys Ala Phe Ser Met Ser		
128		370	375
129	Ser Ala Tyr Asn Ala Tyr Arg Ala Val Tyr Ala Val Ala His Gly Leu		
130	385	390	395
131	His Gln Leu Leu Gly Cys Ala Ser Gly Ala Cys Ser Arg Gly Arg Val		
132		405	410
133	Tyr Pro Trp Gln Leu Leu Glu Gln Ile His Lys Val His Phe Leu Leu		
134		420	425
135	His Lys Asp Thr Val Ala Phe Asn Asp Asn Arg Asp Pro Leu Ser Ser		
136		435	440
137	Tyr Asn Ile Ile Ala Trp Asp Trp Asn Gly Pro Lys Trp Thr Phe Thr		
138		450	455
139	Val Leu Gly Ser Ser Thr Trp Ser Pro Val Gln Leu Asn Ile Asn Glu		
140	465	470	475
141	Thr Lys Ile Gln Trp His Gly Lys Asp Asn Gln Val Pro Lys Ser Val		
142		485	490
143	Cys Ser Ser Asp Cys Leu Glu Gly His Gln Arg Val Val Thr Gly Phe		
144		500	505
145	His His Cys Cys Phe Glu Cys Val Pro Cys Gly Ala Gly Thr Phe Leu		
146		515	520
147	Asn Lys Ser Asp Leu Tyr Arg Cys Gln Pro Cys Gly Lys Glu Glu Trp		
148		530	535
149	Ala Pro Glu Gly Ser Gln Thr Cys Phe Pro Arg Thr Val Val Phe Leu		
150	545	550	555
151	Ala Leu Arg Glu His Thr Ser Trp Val Leu Leu Ala Ala Asn Thr Leu		
152		565	570
153	Leu Leu Leu Leu Leu Leu Gly Thr Ala Gly Leu Phe Ala Trp His Leu		
154		580	585
155	Asp Thr Pro Val Val Arg Ser Ala Gly Gly Arg Leu Cys Phe Leu Met		
156		595	600

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157 Leu Gly Ser Leu Ala Ala Gly Ser Gly Ser Leu Tyr Gly Phe Phe Gly
158      610                      615                      620
159 Glu Pro Thr Arg Pro Ala Cys Leu Leu Arg Gln Ala Leu Phe Ala Leu
160 625                      630                      635                      640
161 Gly Phe Thr Ile Phe Leu Ser Cys Leu Thr Val Arg Ser Phe Gln Leu
162                      645                      650                      655
163 Ile Ile Ile Phe Lys Phe Ser Thr Lys Val Pro Thr Phe Tyr His Ala
164                      660                      665                      670
165 Trp Val Gln Asn His Gly Ala Gly Leu Phe Val Met Ile Ser Ser Ala
166                      675                      680                      685
167 Ala Gln Leu Leu Ile Cys Leu Thr Trp Leu Val Val Trp Thr Pro Leu
168      690                      695                      700
169 Pro Ala Arg Glu Tyr Gln Arg Phe Pro His Leu Val Met Leu Glu Cys
170 705                      710                      715                      720
171 Thr Glu Thr Asn Ser Leu Gly Phe Ile Leu Ala Phe Leu Tyr Asn Gly
172                      725                      730                      735
173 Leu Leu Ser Ile Ser Ala Phe Ala Cys Ser Tyr Leu Gly Lys Asp Leu
174                      740                      745                      750
175 Pro Glu Asn Tyr Asn Glu Ala Lys Cys Val Thr Phe Ser Leu Leu Phe
176                      755                      760                      765
177 Asn Phe Val Ser Trp Ile Ala Phe Phe Thr Thr Ala Ser Val Tyr Asp
178      770                      775                      780
179 Gly Lys Tyr Leu Pro Ala Ala Asn Met Met Ala Gly Leu Ser Ser Leu
180 785                      790                      795                      800
181 Ser Ser Gly Phe Gly Gly Tyr Phe Leu Pro Lys Cys Tyr Val Ile Leu
182                      805                      810                      815
183 Cys Arg Pro Asp Leu Asn Ser Thr Glu His Phe Gln Ala Ser Ile Gln
184                      820                      825                      830
185 Asp Tyr Thr Arg Arg Cys Gly Ser Thr
186      835                      840

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188 <210> SEQ ID NO: 3

189 <211> LENGTH: 2292

190 <212> TYPE: DNA

191 <213> ORGANISM: homo sapiens

193 <400> SEQUENCE: 3

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196 ctctccctgc cagggcaaca ccacatagag ctccaaggag accttctcca ctattccct      180
197 acggtgctgg cagtgattgg gcctgacagc accaaccgtg ctgccaccac agccgccctg      240
198 ctgagccctt tcctgggtgcc catgattagc tatgcggcca gcagcgagac gctcagcggtg      300
199 aagcggcagt atccctcttt cctgcgcacc atccccaatg acaagtacca ggtggagacc      360
200 atggtgctgc tgctgcagaa gttcgggttg acctggatct ctctggttgg cagcagtgac      420
201 gactatgggc agctaggggt gcaggcactg gagaaccagg ccactgggtc ggggatctgc      480
202 attgctttca aggacatcat gcccttctct gcccagggtg gcgatgagag gatgcagtgc      540
203 ctcatgcgcc acctggccca ggccggggcc accgtcgttg ttgttttttc cagccggcag      600
204 ttggccaggg tgtttttcga gtccgtggtg ctgaccaacc tgactggcaa ggtgtgggtc      660
205 gcctcagaag cctgggccct ctccaggcac atcactgggg tgcccgggat ccagcgatt      720
206 gggatggtgc tgggcgtggc catccagaag agggctgtcc ctggcctgaa ggcgtttgaa      780
207 gaagcctatg cccgggcaga caaggaggcc ctaggcctt gccacaaggg ctccgtggtgc      840

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DATE: 10/11/2001

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TIME: 10:36:28

Input Set : A:\LEX-0157-USA SEQLIST.txt

Output Set: N:\CRF3\10112001\I819946.raw

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208 agcagcaatc agctctgcag agaatgccaa gctttcatgr cacacacgat gcccaagctc 900
209 aaagccttct ccatgagttc tgcctacaac gcataccggg ctgtgtatgc ggtggcccat 960
210 ggctccacc agctcctggg ctgtgcctct ggagcttggt ccaggggccc agtctacccc 1020
211 tggcagcttt tggagcagat ccacaagggt catttccttc tacacaagga cactgtggcg 1080
212 tttaatgaca acagagatcc cctcagtagc tataacataa ttgcctggga ctggaatgga 1140
213 cccaagtgga ccttcacggt cctcggttcc tccacatggt ctccagttca gctaaacata 1200
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216 tgtgtgccct gtggggctgg gaccttctc aacaagagtg acctctacag atgccaagcct 1380
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230 agcctgagca gcggtctcgg tgggtatttt ctgcctaagt gctacgtgat cctctgccgc 2220
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232 ggctccacct ga 2292

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234 <210> SEQ ID NO: 4

235 <211> LENGTH: 763

236 <212> TYPE: PRT

237 <213> ORGANISM: homo sapiens

239 <400> SEQUENCE: 4

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243 20 25 30
244 Asn Val Tyr Ala Thr Leu Arg Val Leu Ser Leu Pro Gly Gln His His
245 35 40 45
246 Ile Glu Leu Gln Gly Asp Leu Leu His Tyr Ser Pro Thr Val Leu Ala
247 50 55 60
248 Val Ile Gly Pro Asp Ser Thr Asn Arg Ala Ala Thr Thr Ala Ala Leu
249 65 70 75 80
250 Leu Ser Pro Phe Leu Val Pro Met Ile Ser Tyr Ala Ala Ser Ser Glu
251 85 90 95
252 Thr Leu Ser Val Lys Arg Gln Tyr Pro Ser Phe Leu Arg Thr Ile Pro
253 100 105 110
254 Asn Asp Lys Tyr Gln Val Glu Thr Met Val Leu Leu Leu Lys Phe
255 115 120 125
256 Gly Trp Thr Trp Ile Ser Leu Val Gly Ser Ser Asp Asp Tyr Gly Gln
257 130 135 140
258 Leu Gly Val Gln Ala Leu Glu Asn Gln Ala Thr Gly Gln Gly Ile Cys

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VERIFICATION SUMMARY

DATE: 10/11/2001

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Input Set : A:\LEX-0157-USA SEQLIST.txt

Output Set: N:\CRF3\10112001\I819946.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date